

	Type	Hits	Search Text
1	BRS	0	10/799026
2	BRS	3	"6611635".pn.
3	BRS	4413	(waveguides wave near1 guides) same layers
4	BRS	2900	(layer\$1 substrat\$2 backplane back adj1 plane strip\$2) near7 (flex\$4 soft\$3 polymer\$3 kapto\$1) same (waveguide\$1 wave near1 guide\$1)
5	BRS	1118	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same layers
6	BRS	1131	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
7	BRS	71	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
8	BRS	757	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1)
9	BRS	83	S3 and S4 and S5 and S6
10	BRS	17	S9 and S8
11	BRS	6	S9 and S7
12	BRS	11	S10 not S11
13	BRS	4	("6706546" "6684007").pn.
14	BRS	2	S8 and S13

	DBs	Time Stamp
1	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 12:25
2	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 17:18
3	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 13:44
4	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 13:50
5	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:05
6	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 14:00
7	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 14:01
8	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:03
9	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 14:21
10	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 14:22
11	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 14:24
12	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
13	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 15:58
14	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:10

	Type	Hits	Search Text
15	BRS	2309	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same layer\$1
16	BRS	11384	reflect\$5 same (waveguide\$1 wave near1 guide\$1 cor\$1) same layer\$1
17	BRS	57	S3 and S4 and S6 and S16
18	BRS	33	S17 and (board\$1 backplane\$1) same (electr\$5 circuit\$1)
19	BRS	0	S18 not "18"
20	BRS	26	S18 not S10
21	BRS	2	S13 and S16
22	BRS	3	("6556734" "6684007" "6706546").pn.
23	BRS	3	S23 and (board\$1 backplane\$1) same (electr\$5 circuit\$1)
24	BRS	2	"6684007".pn.
25	BRS	1	S25 and (FILMS layers multi\$5 near1 layer\$1 plural\$5 near1 layer\$1)
26	BRS	2	"6556734".pn.
27	BRS	4728	(waveguides wave near1 guides) same layers
28	BRS	3117	(layer\$1 substrat\$2 backplane back adj1 plane strip\$2) near7 (flex\$4 soft\$3 polymer\$3 kapto\$1) same (waveguide\$1 wave near1 guide\$1)
29	BRS	1225	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same layers
30	BRS	1239	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)

	DBs	Time Stamp
15	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:03
16	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:06
17	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:06
18	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 17:15
19	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:09
20	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 17:11
21	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/03/28 16:10
22	US-PGPUB; USPAT	2005/03/28 17:14
23	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:03
24	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:57
25	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:25
26	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:25
27	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
28	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
29	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
30	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27

	Type	Hits	Search Text
31	BRS	76	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
32	BRS	800	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1)
33	BRS	97	S28 and S29 and S30 and S31
34	BRS	20	S34 and S33
35	BRS	7	S34 and S32
36	BRS	13	S35 not S36
37	BRS	2	("6785447" "6556734").pn.
38	BRS	2	S38 and (flex\$5 near7 (layer\$1 film\$3 waveguide\$1))
39	BRS	2	("6684007" "6556734").pn.
40	BRS	2	S41 and (flex\$5 near7 (layer\$1 film\$3 waveguide\$1))
41	BRS	2	("6684007" "6556734").pn.
42	BRS	2	S43 and (flex\$5 near7 (layer\$1 film\$3 waveguide\$1))
43	BRS	2	S43 and (layer\$1 film\$3 waveguide\$1)
44	BRS	2	S43 and (cor\$1 active guid\$4 layer\$1 film\$3 waveguid\$3 wave near1 guid\$4)
45	BRS	4734	(waveguides wave near1 guides) same layers
46	BRS	3123	(layer\$1 substrat\$2 backplane back adj1 plane strip\$2) near7 (flex\$4 soft\$3 polymer\$3 kapto\$1) same (waveguide\$1 wave near1 guide\$1)

	DBs	Time Stamp
31	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
32	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
33	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
34	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
35	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/25 13:27
36	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
37	US-PGPUB; USPAT	2005/08/25 14:22
38	US-PGPUB; USPAT	2005/08/25 14:25
39	US-PGPUB; USPAT	2005/08/25 14:25
40	US-PGPUB; USPAT	2005/08/30 14:02
41	US-PGPUB; USPAT	2005/08/30 14:00
42	US-PGPUB; USPAT	2005/08/30 14:09
43	US-PGPUB; USPAT	2005/08/30 14:18
44	US-PGPUB; USPAT	2005/08/30 14:28
45	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
46	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35

	Type	Hits	Search Text
47	BRS	1228	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same layers
48	BRS	1242	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
49	BRS	77	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
50	BRS	801	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1)
51	BRS	97	S48 and S49 and S50 and S51
52	BRS	20	S54 and S53
53	BRS	7	S54 and S52
54	BRS	13	S55 not S56
55	BRS	4734	(waveguides wave near1 guides) same layers
56	BRS	3123	(layer\$1 substrat\$2 backplane back adj1 plane strip\$2) near7 (flex\$4 soft\$3 polymer\$3 kapto\$1) same (waveguide\$1 wave near1 guide\$1)
57	BRS	1228	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same layers

	DBs	Time Stamp
47	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
48	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
49	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
50	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
51	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
52	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
53	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
54	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/30 15:35
55	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:08
56	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
57	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:11

	Type	Hits	Search Text
58	BRS	1242	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
59	BRS	77	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
60	BRS	801	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through))) near12 reflect\$5 same (waveguide\$1 wave near1 guide\$1)
61	BRS	97	S58 and S59 and S60 and S61
62	BRS	20	S64 and S63
63	BRS	7	S64 and S62
64	BRS	13	S65 not S66
65	BRS	2	"6345142".pn.
66	BRS	0	S68 and (coupl\$1 wavelenghts)
67	BRS	1	S68 and (coupl\$3 wavelenght\$4)
68	BRS	192335	(chann\$4 inclin\$5 angl\$2) near12 (reflect\$4 mirror\$1)
69	BRS	11	("20050041906" "20040120675" "20030099426" "20020028045" "7068871" "7024067" "6996303" "6980724" "6934455" "5999670" "5170448").pn.
70	BRS	1	10/541188
71	BRS	22507	(waveguide\$1 wave near1 guide\$1) same layer\$1
72	BRS	646235	semiconduct\$5 near9 (substrate\$2 layer\$1)

	DBs	Time Stamp
58	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
59	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:15
60	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
61	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
62	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
63	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
64	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/08/31 19:09
65	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/09/01 10:29
66	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/09/01 10:29
67	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/09/01 10:29
68	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:24
69	US-PGPUB; USPAT	2006/11/07 12:23
70	US-PGPUB; USPAT	2006/11/07 12:25
71	US-PGPUB; USPAT	2006/11/07 13:10
72	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:30

	Type	Hits	Search Text
73	BRS	765133	semiconduct\$5 same (substrate\$2 layer\$1)
74	BRS	1	S73 and (ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1 photo photodetect\$4 photodiode\$2 detect\$4 receiv\$4 device) near7 form\$4 near7 (semiconduct\$4)
75	BRS	14	("5170448" "6934455" "20060126995" "20060245681" "20050041906" "7068871" "7024067" "5999670" "20050201707" "6996303" "20040120675" "6980724" "20030099426" "20020028045").pn.
76	BRS	63	S104 and (photolithog\$5 etch\$4)
77	BRS	5	S74 and semiconduct\$5 same (substrate\$2 layer\$1)
78	BRS	1	S73 and ((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through path\$1))) same (waveguide\$1 wave near1 guide\$1) same layer\$1
79	BRS	0	S73 and (waveguides wave near1 guide\$1) same layer\$1
80	BRS	1	S73 and (waveguide\$1 wave near1 guide\$1) same layer\$1
81	BRS	0	S73 and ((optical adj1 (cavit\$3 via\$1)) (vias hole\$1 aperture\$1 opening\$1) (optical near1 (passag\$3 pass adj1 through))) near12 (mirror\$1 reflect\$5) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)
82	BRS	1	S73 and ((optical adj1 (cavit\$3 via\$1)) (vias hole\$1 aperture\$1 opening\$1) (optical near1 (path\$1 passag\$3 pass adj1 through))) near12 (mirror\$1 reflect\$5) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers)

	DBs	Time Stamp
73	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:07
74	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:01
75	US-PGPUB; USPAT	2006/11/07 20:46
76	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:03
77	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:06
78	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:14
79	US-PGPUB; USPAT	2006/11/07 13:09
80	US-PGPUB; USPAT	2006/11/07 13:10
81	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:17
82	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:18

	Type	Hits	Search Text
83	BRS	1	S73 and ((optical adj1 (cavit\$3 via\$1)) (vias hole\$1 aperture\$1 opening\$1) (optical near1 (path\$1 passag\$3 pass adj1 through))) near12 (mirror\$1 reflect\$5) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers substrate\$1)
84	BRS	4075	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through path\$1))) same (waveguide\$1 wave near1 guide\$1) same layer\$1
85	BRS	1	S73 and (ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1) near12 (reflect\$4 mirror\$1)
86	BRS	915	((optical adj1 (cavit\$3 via\$1)) (vias hole\$1 aperture\$1 opening\$1) (optical near1 (path\$1 passag\$3 pass adj1 through))) near12 (mirror\$1 reflect\$5) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers substrate\$1)
87	BRS	301	S76 and S82 and S84 and S88
88	BRS	192335	(chann\$4 inclin\$5 angl\$2) near12 (reflect\$4 mirror\$1)
89	BRS	213	S89 and S90
90	BRS	359655	(ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1) near12 (reflect\$4 mirror\$1)
91	BRS	1	S73 and (photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4) near12 (reflect\$4 mirror\$1)
92	BRS	377861	(photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4) near12 (reflect\$4 mirror\$1)
93	BRS	1	S73 and (photolithog\$5 etch\$4)
94	BRS	105	S91 and S93 and S95
95	BRS	53	S77 and S97

	DBs	Time Stamp
83	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:19
84	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:14
85	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:59
86	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:21
87	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:18
88	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:59
89	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:24
90	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:04
91	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:28
92	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:36
93	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:03
94	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:06
95	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:31

	Type	Hits	Search Text
96	BRS	1	S91 and S94 and S95
97	BRS	50	S98 and (photolithog\$5 etch\$4)
98	BRS	221656	(ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1 photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4 device) near7 form\$4 near7 (semiconduct\$4)
99	BRS	100	S89 and S102
100	BRS	113	S89 and S93 and S95 and (photolithog\$5 etch\$4)
101	BRS	54	S105 and (photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4 ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1) near12 (reflect\$4 mirror\$1)
102	BRS	72	S103 not S98
103	BRS	15	S114 not S112
104	BRS	31620	(conical pyramid\$4 semispherical spheric\$4) near12 (reflect\$4 mirror\$1)
105	BRS	43	S106 and grow\$4
106	BRS	40	S106 and growth\$1
107	BRS	1	S73 and (wedg\$3 trianl\$2)
108	BRS	0	S73 and (wedg\$3 trianl\$2 pyramid) near7 (reflect\$4 mirror\$3)
109	BRS	113	S116 and semiconduct\$4
110	BRS	84	S117 and (photolithog\$5 etch\$4) and grow\$4
111	BRS	26	S118 not (S114 S112 S98 S108 S114)
112	BRS	6	S89 and S111
113	BRS	20	S89 and S113
114	BRS	6	("20060245681" "20040120675" "20030099426" "20020028045" "5999670" "5170448").pn.

	DBs	Time Stamp
96	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 13:29
97	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:38
98	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:36
99	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:03
100	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:08
101	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:06
102	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:03
103	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:09
104	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:00
105	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:38
106	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:06
107	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:42
108	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:43
109	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:08
110	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:38
111	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
112	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:01
113	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 15:01
114	US-PGPUB; USPAT	2006/11/07 18:56

	Type	Hits	Search Text
115	BRS	15	("20020028045" "20060245681" "20040120675" "20030099426" "20020028045" "5999670" "5170448" "20060245681" "20020097962" "20020028045" "6785447" "6706546" "6690845" "6684007" "5761350" "6539143" "6539143" "20030113067" "20060245681" "20040120675" "20030099426" "20020028045" "5999670" "5170448" "20050175286").pn.
116	BRS	9349	(wedge\$3 triangle\$2 pyramid) near7 (reflect\$4 mirror\$3)
117	BRS	4	S122 and (absor\$5 semiconductor\$4 substrate\$4 etch\$5 photo photolithog\$5 grow\$5)
118	BRS	4	("20030099426" "5999670" "5170448" "20040120675").pn.
119	BRS	6	("20060245681" "20040120675" "20030099426" "20020028045" "5999670" "5170448").pn.
120	BRS	6	("20060245681" "20040120675" "20030099426" "20020028045" "5999670" "5170448" "5999670").pn.
121	BRS	6	S124 and (absor\$5 semiconductor\$4 substrate\$4 etch\$5 photo photolithog\$5 grow\$5)
122	BRS	6	S126 and (absor\$5 semiconductor\$4 substrate\$4 etch\$5 photo photolithog\$5 grow\$5)
123	BRS	1	("20020028045").pn.
124	BRS	765133	semiconductor\$5 same (substrate\$2 layer\$1)
125	BRS	1	S128 and semiconductor\$5 near9 (substrate\$2 layer\$1) and (ld\$1 laser\$1 vcsel emit\$5 light near1 source\$1 photo photodetect\$4 photodiode\$2 detect\$4 receive\$4 device) near12 (reflect\$5 mirror\$2)
126	BRS	100	S143 and S150

	DBs	Time Stamp
115	US-PGPUB; USPAT	2006/11/07 15:45
116	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 14:44
117	US-PGPUB; USPAT	2006/11/07 18:54
118	US-PGPUB; USPAT	2006/11/07 20:46
119	US-PGPUB; USPAT	2006/11/07 18:54
120	US-PGPUB; USPAT	2006/11/07 18:56
121	US-PGPUB; USPAT	2006/11/07 18:56
122	US-PGPUB; USPAT	2006/11/07 18:56
123	US-PGPUB; USPAT	2006/11/07 19:01
124	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:18
125	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:34
126	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39

	Type	Hits	Search Text
127	BRS	4075	((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag\$3 pass adj1 through path\$1))) same (waveguide\$1 wave near1 guide\$1) same layer\$1
128	BRS	915	((optical adj1 (cavit\$3 via\$1)) (vias hole\$1 aperture\$1 opening\$1) (optical near1 (path\$1 passag\$3 pass adj1 through))) near12 (mirror\$1 reflect\$5) same (waveguide\$1 wave near1 guide\$1) same ((second adj1 layer\$1) layers substrate\$1)
129	BRS	22507	(waveguide\$1 wave near1 guide\$1) same layer\$1
130	BRS	301	S130 and S131 and S132 and S133
131	BRS	1208	((opening\$1 channel\$1) (optical near2 (path\$1 passag\$3 pass adj1 through))) near12 (mirror\$1 reflect\$5) same (waveguide\$1 wave near1 guide\$1) same (layer\$1 substrate\$1)
132	BRS	31620	(conical pyramid\$4 semispherical spheric\$4) near12 (reflect\$4 mirror\$1)
133	BRS	113	S160 and semiconduct\$4
134	BRS	84	S161 and (photolithog\$5 etch\$4) and grow\$4
135	BRS	522	S130 and S131 and S135
136	BRS	99	S141 not (S162 S159 S157 S149 S155 S159)
137	BRS	354	S136 and semiconduct\$5 near9 (substrate\$2 layer\$1) and (ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1 photo photodetect\$4 photodiode\$2 detect\$4 receiv\$4 device) near12 (reflect\$5 mirror\$2)
138	BRS	364	S136 and semiconduct\$5 near9 (substrate\$2 layer\$1 film\$1 coat\$4) and (ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1 photo photodetect\$4 photodiode\$2 detect\$4 receiv\$4 device) near12 (reflect\$5 mirror\$2)

	DBs	Time Stamp
127	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:18
128	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:21
129	US-PGPUB; USPAT	2006/11/07 19:18
130	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:33
131	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:32
132	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
133	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
134	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
135	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:34
136	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 20:16
137	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:35
138	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:35

	Type	Hits	Search Text
139	BRS	251	S138 and (photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4) near12 (reflect\$4 mirror\$1)
140	BRS	165	S139 and (ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1) near12 (reflect\$4 mirror\$1)
141	BRS	139	S140 and (photolithog\$5 etch\$4) and (deposit\$4 grow\$4)
142	BRS	646235	semiconduct\$5 near9 (substrate\$2 layer\$1)
143	BRS	192335	(chann\$4 inclin\$5 angl\$2) near12 (reflect\$4 mirror\$1)
144	BRS	301	S130 and S131 and S132 and S133
145	BRS	213	S143 and S144
146	BRS	359655	(ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1) near12 (reflect\$4 mirror\$1)
147	BRS	377861	(photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4) near12 (reflect\$4 mirror\$1)
148	BRS	105	S145 and S146 and S147
149	BRS	53	S142 and S148
150	BRS	221656	(ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1 photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4 device) near7 form\$4 near7 (semiconduct\$4)
151	BRS	72	S151 not S149
152	BRS	63	S152 and (photolithog\$5 etch\$4)
153	BRS	54	S153 and (photo photodetect\$4 photodiod\$2 detect\$4 receiv\$4 ld\$1 laser\$1 vcsel emit\$5 light near1 sourc\$1) near12 (reflect\$4 mirror\$1)
154	BRS	43	S154 and grow\$4
155	BRS	9349	(wedg\$3 trianl\$2 pyramid) near7 (reflect\$4 mirror\$3)
156	BRS	6	S143 and S156

	DBs	Time Stamp
139	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:37
140	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:37
141	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:38
142	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
143	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
144	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
145	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
146	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
147	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
148	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
149	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
150	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
151	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
152	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
153	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
154	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
155	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
156	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39

	Type	Hits	Search Text
157	BRS	20	S143 and S158
158	BRS	113	S143 and S146 and S147, and (photolithog\$5 etch\$4)
159	BRS	26	S162 not (S159 S157 S149 S155 S159)
160	BRS	1	S168 and (semiconduct\$5 absor\$5)
161	BRS	1	("20050201707").pn.
162	BRS	0	EP603549A1
163	BRS	1	"5786925".pn.
164	BRS	0	EP603549
165	BRS	3	"0603549"
166	BRS	0	"0603 549"
167	BRS	0	"0603 549 A1"
168	BRS	0	"EP 0603 549 A1"
169	BRS	0	"EP 0603549 A1"
170	BRS	0	"EP 0603549A1"
171	BRS	0	"EP 0603549"
172	BRS	6	"603549"
173	BRS	1	S165 and absor\$5
174	BRS	0	("2005020201707").pn.
175	BRS	12	"385"/\$.ccls. and (semiconduct\$5 adj1 substrate adj3 (ceramic\$1)) and laser\$1 adj3 substrate\$2
176	BRS	2	S184 and (semiconduct\$4 same substra\$4) and (emit\$4 laser\$1 ld\$1)

	DBs	Time Stamp
157	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
158	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:39
159	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 19:40
160	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 21:09
161	US-PGPUB; USPAT	2006/11/07 20:47
162	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 21:10
163	US-PGPUB; USPAT	2006/11/07 20:16
164	US-PGPUB; USPAT; EPO; JPO; DERWENT	2006/11/07 21:10
165	EPO; DERWENT	2006/11/07 21:11
166	EPO; DERWENT	2006/11/07 21:11
167	EPO; DERWENT	2006/11/07 21:11
168	EPO; DERWENT	2006/11/07 21:11
169	EPO; DERWENT	2006/11/07 21:12
170	EPO; DERWENT	2006/11/07 21:12
171	EPO; DERWENT	2006/11/07 21:12
172	EPO; DERWENT	2006/11/07 21:12
173	US-PGPUB; USPAT	2006/11/07 20:17
174	US-PGPUB; USPAT	2006/11/07 20:47
175	US-PGPUB; USPAT	2007/04/25 12:19
176	US-PGPUB; USPAT	2007/04/25 12:00

	Type	Hits	Search Text
177	BRS	4	"385"/\$.ccls. and (semiconduct\$5 adj1 substrate adj3 (ceramic\$1 silicon si)) same laser\$1 adj3 substrate\$2
178	BRS	17	(US-20030099426-\$ or US-20030113067-\$ or US-20030039455-\$ or US-20050175286-\$ or US-20040120675-\$ or US-20060245681-\$).did. or (US-5170448-\$ or US-6952504-\$ or US-6556734-\$ or US-6208791-\$ or US-5786925-\$ or US-5761350-\$ or US-5263111-\$ or US-6829398-\$ or US-6993225-\$ or US-5999670-\$).did. or (EP-603549-\$).did.
179	BRS	17	(US-20030099426-\$ or US-20030113067-\$ or US-20030039455-\$ or US-20050175286-\$ or US-20040120675-\$ or US-20060245681-\$).did. or (US-5170448-\$ or US-6952504-\$ or US-6556734-\$ or US-6208791-\$ or US-5786925-\$ or US-5761350-\$ or US-5263111-\$ or US-6829398-\$ or US-6993225-\$ or US-5999670-\$).did. or (EP-603549-\$).did.
180	BRS	2	S182 S183
181	BRS	1	(US-5786925-\$).did.
182	BRS	1	"20030039455"
183	BRS	2	S184 and (semiconduct\$4 same substra\$4) and (emit\$4 laser\$1 ld\$1) and semiconduct\$4
184	BRS	1	S184 and (semiconduct\$4 same substra\$4) and (emit\$4 laser\$1 ld\$1) same semiconduct\$4
185	BRS	2	S184 and (semiconduct\$4 near7 substra\$4) and (emit\$4 laser\$1 ld\$1) and semiconduct\$4
186	BRS	2	S184 and (semiconduct\$4 near7 substra\$4) and (emit\$4 laser\$1 ld\$1)

	DBs	Time Stamp
177	US-PGPUB; USPAT	2007/04/25 12:19
178	US-PGPUB; USPAT; EPO	2007/04/25 11:52
179	US-PGPUB; USPAT; EPO	2007/04/25 11:58
180	US-PGPUB; USPAT	2007/04/25 11:58
181	USPAT	2007/04/25 11:56
182	US-PGPUB; USPAT	2007/04/25 11:58
183	US-PGPUB; USPAT	2007/04/25 12:01
184	US-PGPUB; USPAT	2007/04/25 12:01
185	US-PGPUB; USPAT	2007/04/25 12:15
186	US-PGPUB; USPAT	2007/04/25 12:03